



Low-carbon Comprehensive Mobility Plan: Overall approach and linkages to national plans

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ENERGY, CLIMATE
AND SUSTAINABLE
DEVELOPMENT

Low-carbon Comprehensive Mobility Plan: Overall approach and linkages to national plans

Experience Sharing Workshop in preparation of Low-carbon Comprehensive Mobility Plans in Indian Cities

22 – 23 August 2013

Udaipur

In partnership with :



IIT Delhi

Supported by:



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

based on a decision of the Parliament
of the Federal Republic of Germany



Contents

- Background for LCMP
- LCMP framework
- Linkages to national / global
- Conclusions



Background



LCMP Timeline

- Nov 2010 – PSC suggestion to build a Low-carbon Comprehensive Mobility Plan (**LCMP**) based on the methodology for Comprehensive Mobility Plan (**CMP**)
- Oct 2011 – Presentation of draft methodology for LCMP
- Apr 2012 – Training of Consultants in LCMP methodology
- Aug 2013 – Presentation of LCMP from 3 cities
- Dec 2013 – Finalisation of LCMP toolkit

Aims of CMP & LCMP

CMP

- Projects to meet present and future mobility demand and achieve desirable development goal

LCMP

- Strategies to reduce CO₂ emissions from transport without compromising the accessibility and mobility needs of people

Tasks in LCMP

Task 0

- Delineation of planning area and planning horizon

Task 1

- Analyse existing situation
- Setup Transport Planning & Emissions Models for Base Year

Task 2

- Modeling Business as Usual (BaU) Scenario

Task 3

- Analyse alternative scenarios (**4 strategies**)

Task 4

- Evaluate BAU & Alternative Scenarios using Indicators

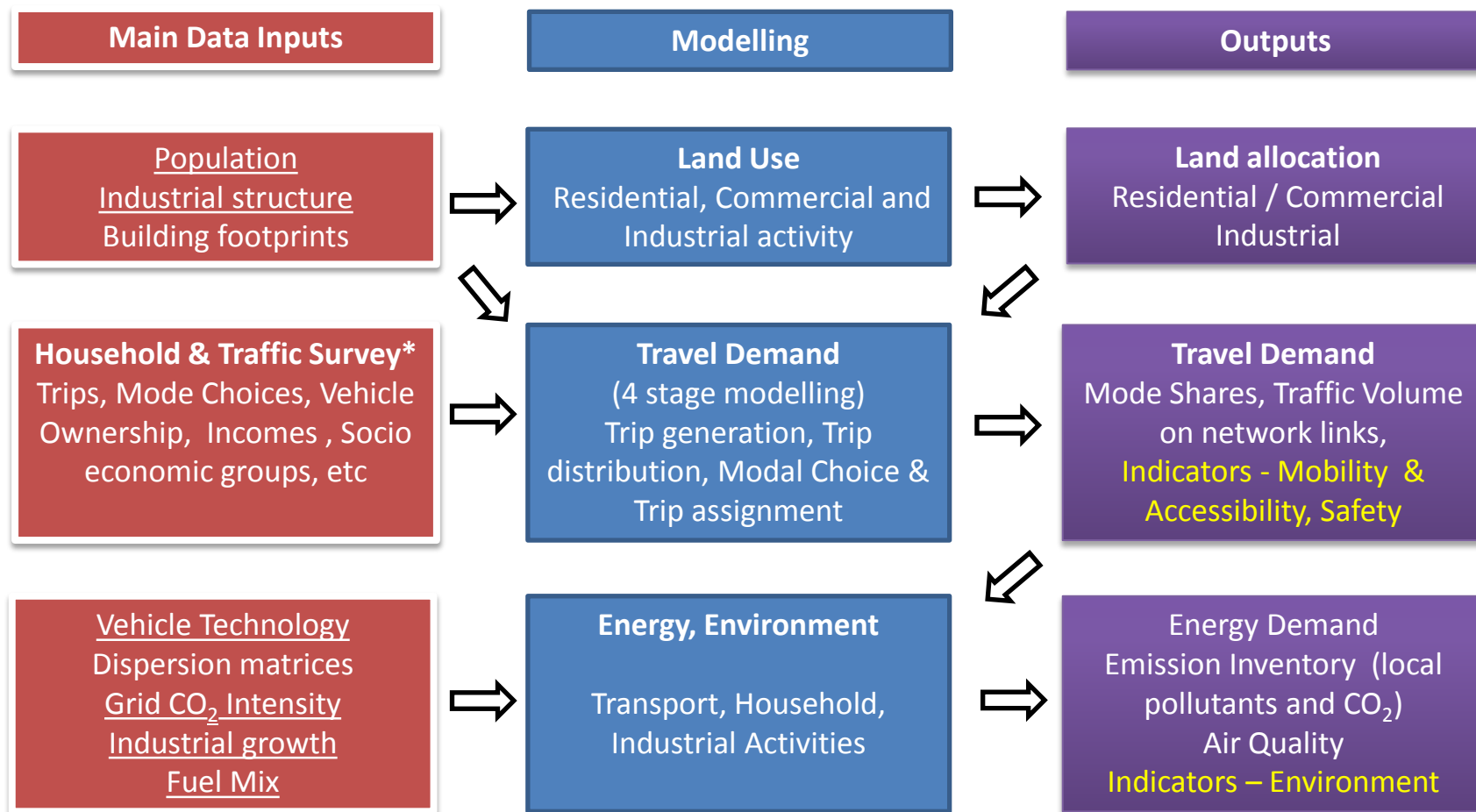
Task 5

- Investment and Implementation plan
- Project Ideas / Policy Actions / Programs



LCMP Framework:

Modelling Framework for LCMP



⇒ Flow of information

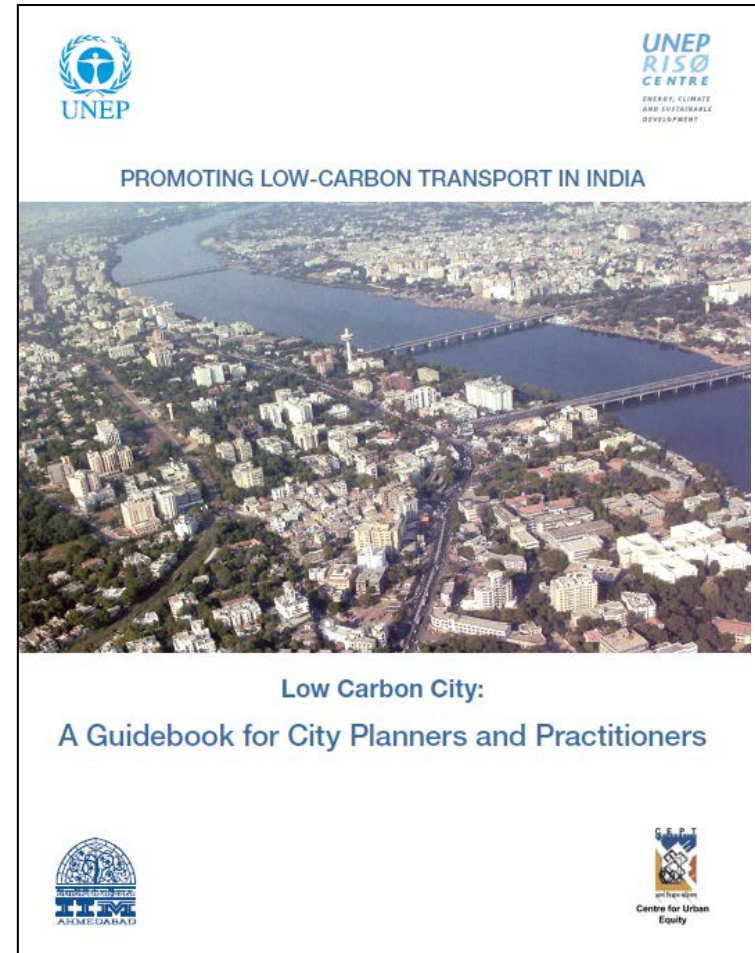
- Information of household surveys is collected using stratified sampling and all income groups, social groups, genders covered
- Underlined parameters can be taken from national assessments



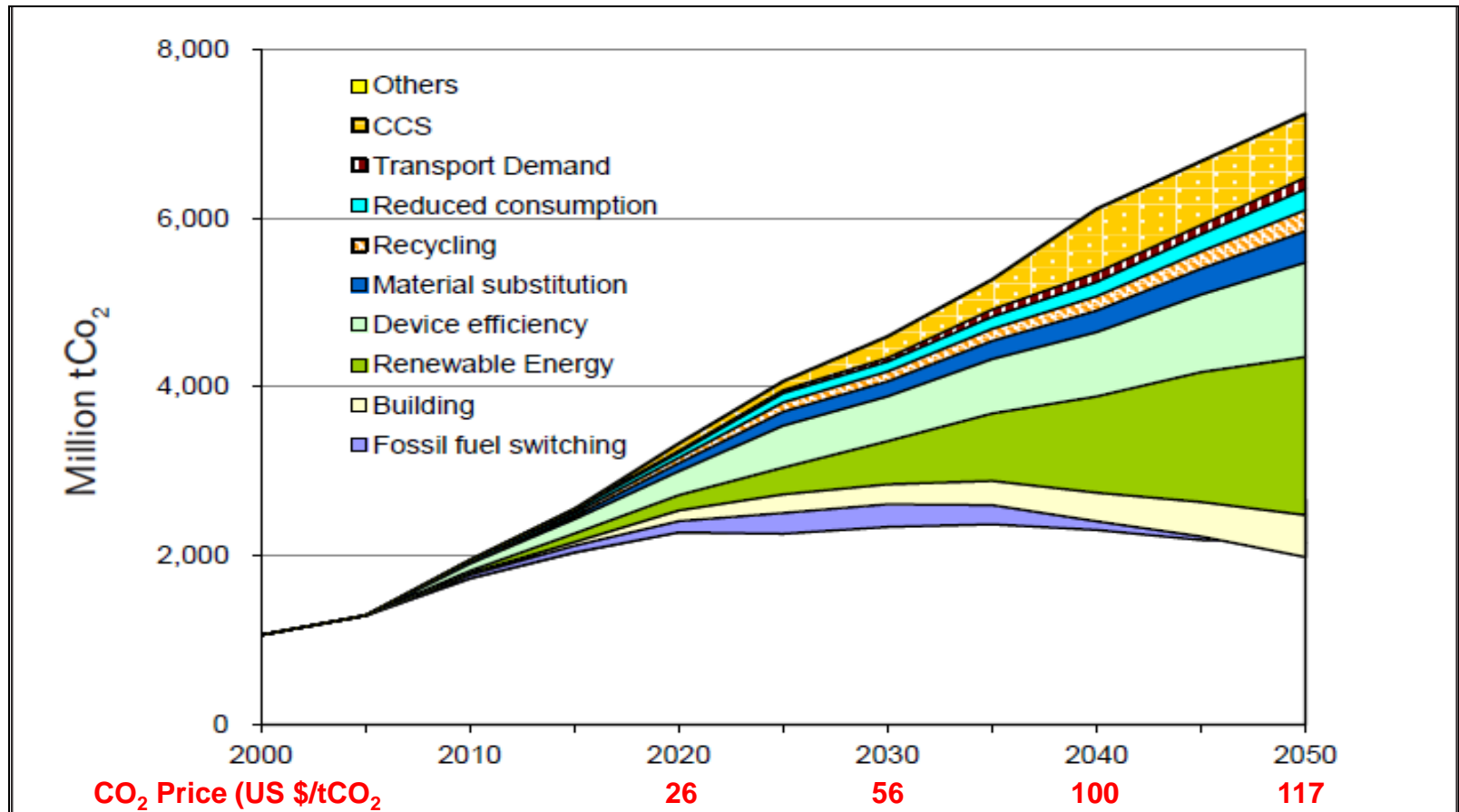
Linkages to national / global

Guidance for City Planners

- Basic Primer on Climate Change
- Definition of low carbon
- Scenarios
- Inputs for Modelling
- 2° C Scenario for India
- 2° C Scenario and Cities

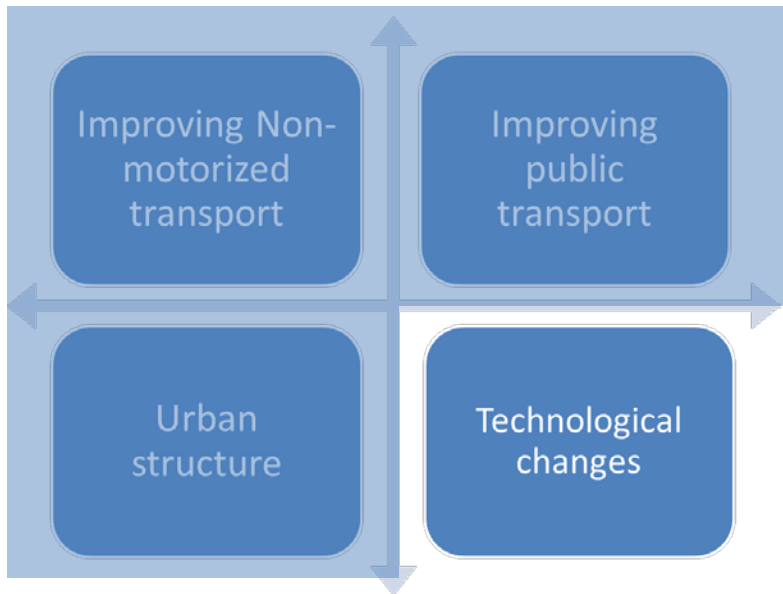


Mitigation Wedges : National

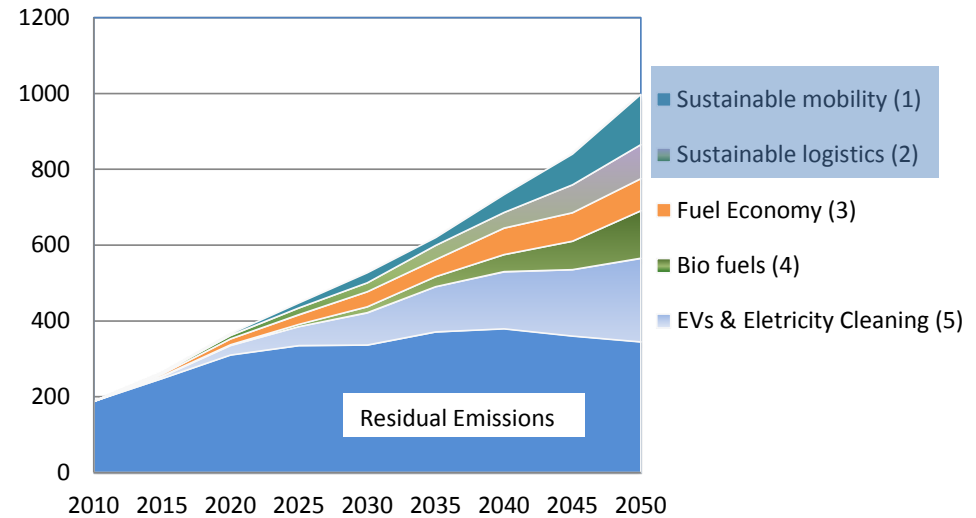


Mitigation Wedges for Urban Transport

Mitigation Strategies within LCMP

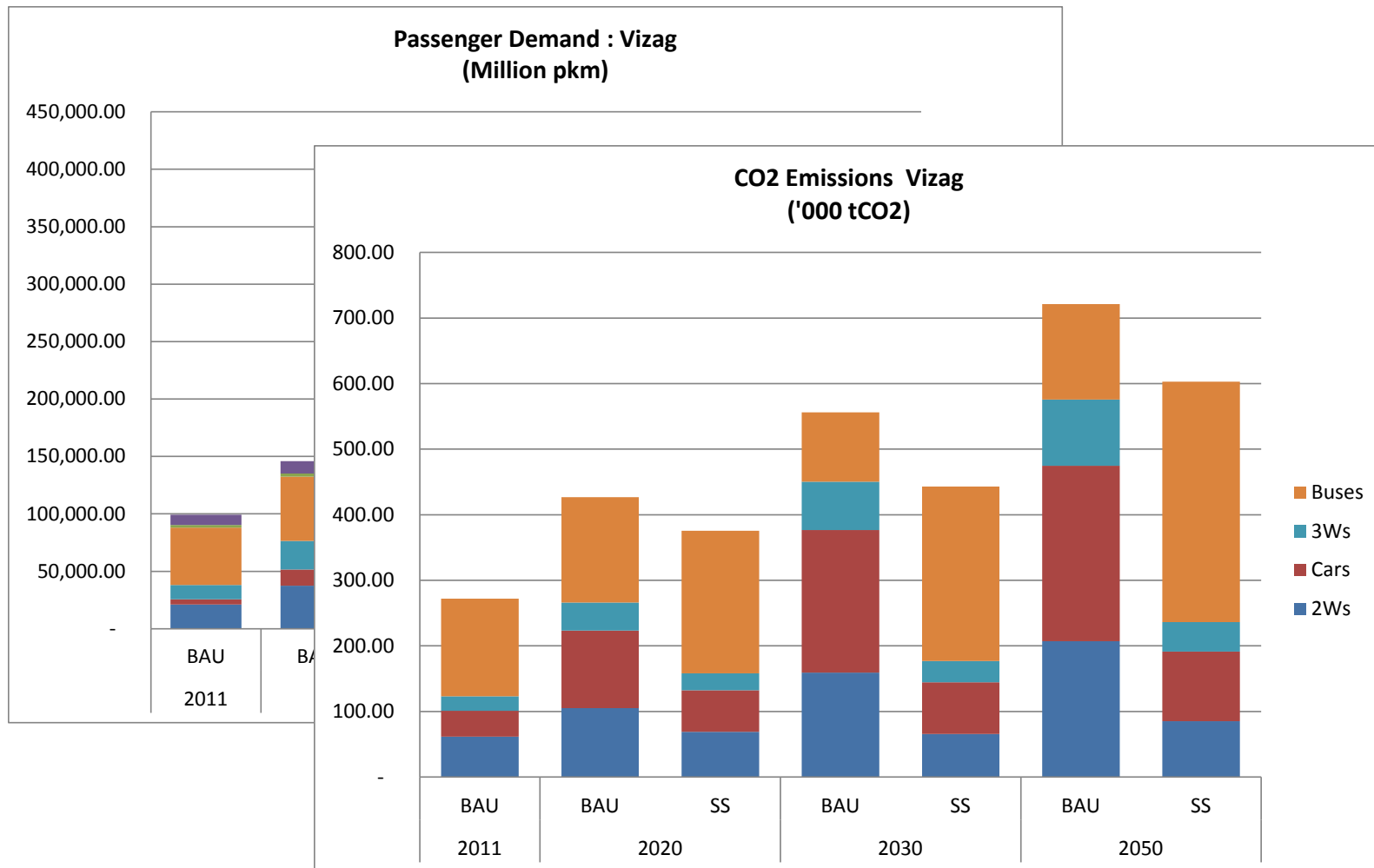


Emissions Reduction in Sustainable Low Carbon Scenario





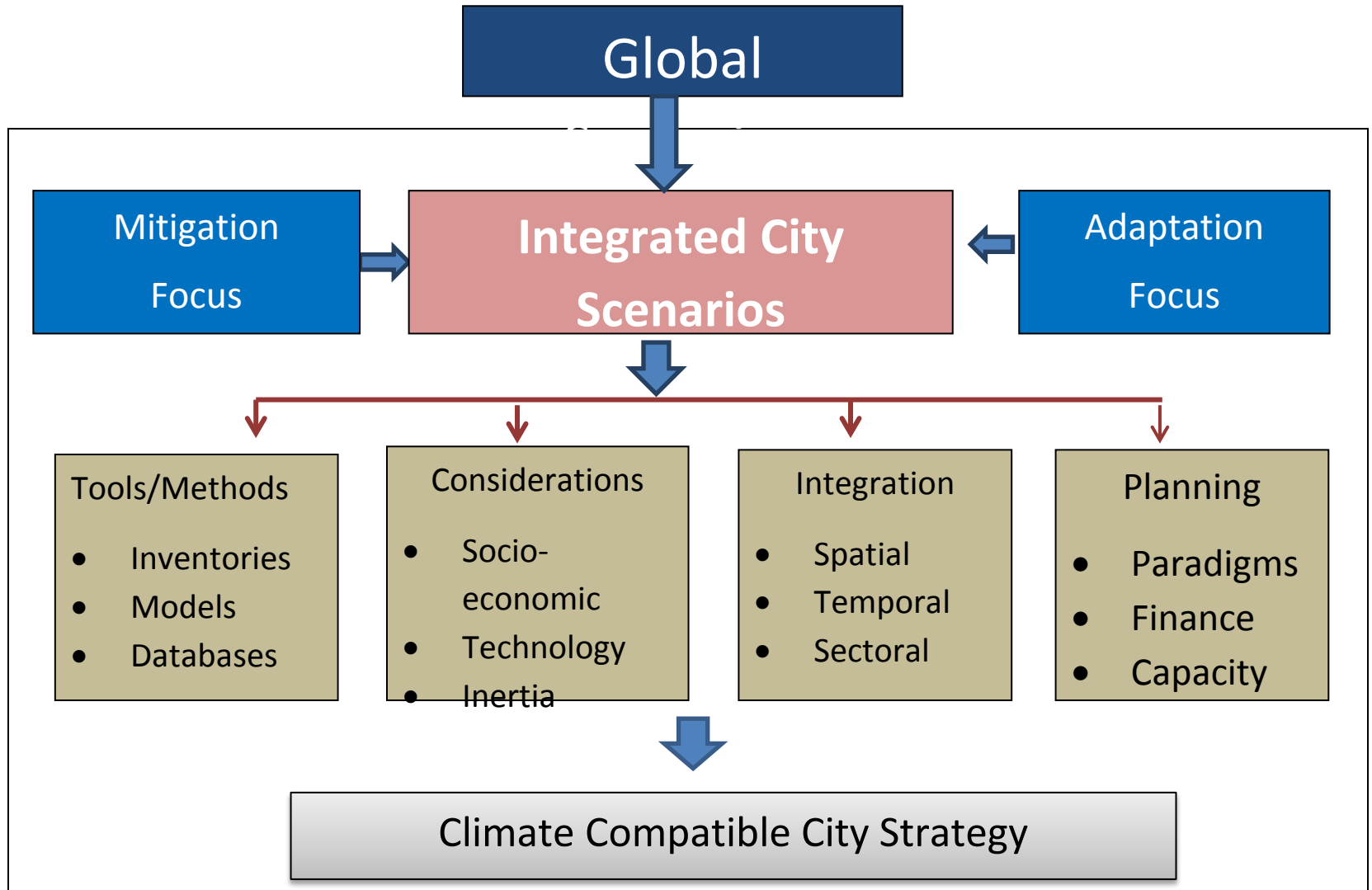
Initial Result from "LCMP Vizag"



Conclusions

- Low carbon plans at city level need to be developed **on top of regular transport and city planning**
- Inputs from **global and national level (technology learning, CO₂ targets, economic growth, etc)** are important considerations for city scenarios.
- Changes in **land use**, strengthening of **public transport** , improving infrastructures for **cycling and walking** are necessary for improving mobility, safety, environment indicators and also deliver **mitigation co-benefits**
- National policies related to **fuel economy, alternative fuels and electricity cleaning** necessary to deliver mitigation required for 2 deg C.

Climate Compatible Urban Development





Thank You

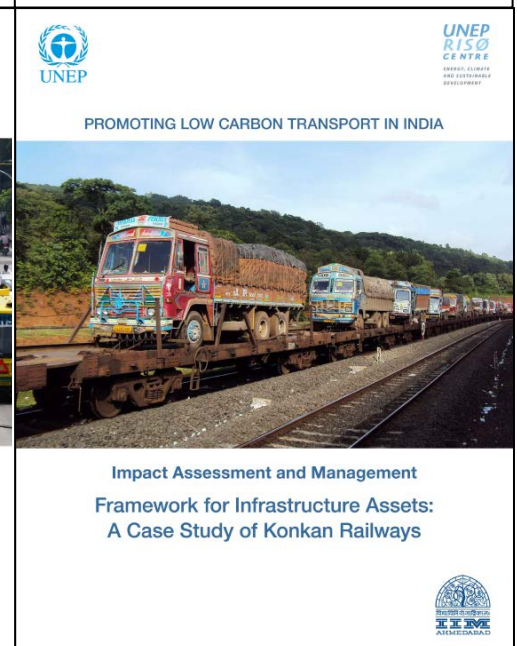
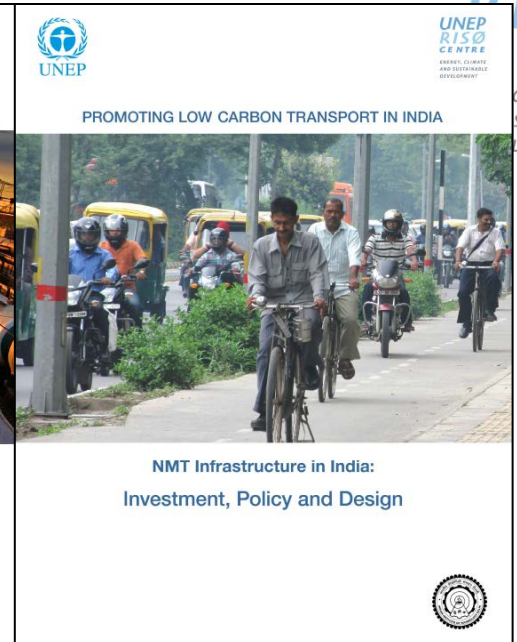
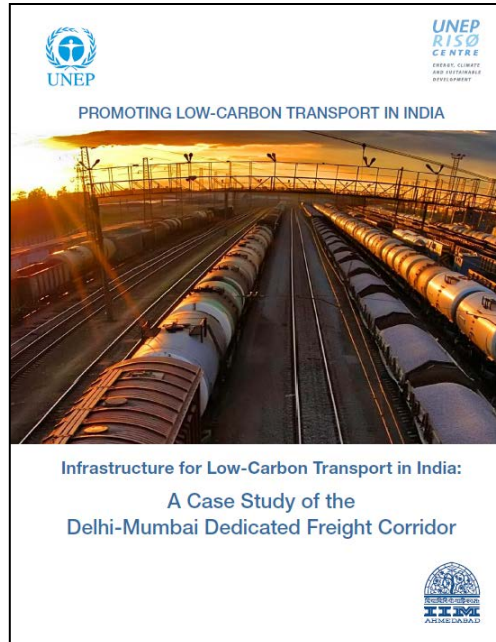
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Project Website :

www.unep.org/transport/lowcarbon



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